

AHUE UNIKUED SUAKUES OUAVUERRIOA

TO ALL TO WHOM THESE PRESENTS SHAVE COME:

Asgrow Seed Company

Withereas, there has been presented to the

Secretary of Agrescenting

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF Eighteen YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC FED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXECUTE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, ORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT

GARDEN BEAN

'Win!

In Testimony Wincreot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 30th day of July in the year of our Lord one thousand nine hundred and eighty-one.

Allest

Lines II Sur-

Plant Variety Protection Office Grain Division Agricultural Marketina Service

Secretary of Agriculture

UNITED STATES DEPARTMENT AGRICULTURAL MARK LIVESTOCK, POULTRY, GRA	ETING SERVICE IN & SEED DIVISION		No certificate for pl	FORM AP OMB NO. ant variety prote	40-R3822 ction may
INSTRUCTIONS: See Reverse,			be issued unless a contract has been received (5	ompleted applica U.S.C. 553).	tion form
1a. TEMPORARY DESIGNATION OF VARIETY	1b. VARIETY NAM	E	FOR OFFIC	IAL USE ONLY	
XP-B107	Win	184 810324		9000120	ı
2. KIND NAME	3. GENUS AND SPE	CIES NAME	FILING DATE	TIME	A.M.
Garden Bean	Phaseolu	s vulgaris	5/12/80 FEE RECEIVED	3:30 DATE	P.M.
4. FAMILY NAME (BOTANICAL) Leguminosae	5. DATE OF DETER September	NOITANIME	\$ 500.00 \$ 250.00	5/12/8 6/11/8	
6. NAME OF APPLICANT(S)	7. ADDRESS (Stree	t and No. or R.F.D. No.,	City State and ZIP	8. TELEPHON	IE AREA
4 6 16		-190-1	511y, 51410, 4114 211	CODE AND	
Asgrow Seed Company	Ka1a:	mazoo, MI 49001		616-385-66	505 .
9. IF THE NAMED APPLICANT IS NOT A PE ORGANIZATION: (Corporation, partnershin Corporation	p, association, etc.)	DATE OF INCORE		March 22	N 2, 1968
962	row Seed Compa 0-190-1 amazoo, MI 49	any	SERVE IN THIS APPLIC	CATION AND RE	ECEIVE
13. CHECK BOX BELOW FOR EACH ATTACH	MENT SUBMITTED:	001			
X 13A. Exhibit A, Origin and Bree	ding History of the	Variety (See Section 5	2 of the Plant Variet	y Protection A	ct.)
🛚 13B. Exhibit B, Novelty Statem	ent.		•		
13C. Exhibit C, Objective Descri	iption of the Variety	(Request form from	Plant Variety Protect	tion Office \	
☐ 13D. Exhibit D, Additional Desc				ion office.	
14a. DOES THE APPLICANT(S) SPECIFY THAT SEED? (See Section 83(a). (If "Yes," answe	SEED OF THIS VAR r 14B and 14C below.)	IETY BE SOLD BY VAF	RIETY NAME ONLY AS	S A CLASS OF C	ERTIFIED
14b. DOES THE APPLICANT(S) SPECIFY THAT LIMITED AS TO NUMBER OF GENERATION	THIS VARIETY BE ONS?	14c. IF "YES," TO 14E TION BEYOND B	B, HOW MANY GENER REEDER SEED?	ATIONS OF PRO	DDUC-
YES NO	REGISTERED	CERTIFIE	D		
15a. DID THE APPLICANT(S) FILE FOR PROTE name of countries and dates.)	United Kingdo Unated Kingdo January 23,	om	NTRIES? X YES	NO (If "Y	Tes," give
15b. HAVE RIGHTS BEEN GRANTED THIS VA and dates.) United Kingdon	HIETY IN OTHER CO	981	NO (If "Yes,"	give name of cou	intries
		184810407			
16. DOES THE APPLICANT(S) AGREE TO THE JOURNAL?	PUBLICATION OF H	IIS/HER (THEIR) NAME	(S) AND ADDRESS IN	THE OFFICIAL	•
17. The applicant(s) declare(s) that a viable replenished upon request in accordance	sample of basic seed with such regulation	d of this variety will b	e furnished with the a	application and	will be
The undersigned applicant(s) is (are) the variety is distinct, uniform, and stable a 42 of the Plant Variety Act.	e owner(s) of this se	xually reproduced nov	vel plant variety, and	believe(s) that e provisions of	the Section
Applicant(s) is (are) informed that false	representation here	in can jeopardize prot	ection and result in p	enalties.	
March 18, 1980		John A. B	atcha	a. Bath	s
(DATE)		(s	SIGNATURE OF APPLI	CANT)	

OBEL & I YAM

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

 (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.
- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

EXHIBIT A: Origin and Breeding History of XP-B107, Garden Bean.

The original cross, Falcon x Eagle, was made in the winter of 1968-1969 and XP-B107 was developed by pedigree (line) selection from that cross. Individual single plant selections were made through the F6 generation which was grown in 1976. At this point more single vine selections were made and the remainder of the line was bulked and yield and observation trials in 1977. These trials indicated the value of the line and the progeny of one of the single vine selections made in 1976 was bulked for further yield and observation trials in 1978. On the basis of these results, this stock was increased further and was designated XP-B107.

In 1978, 100 single plant selections were harvested separately from a bulk planting. The progenies were grown in separate rows in 1979 as a test of uniformity. Careful examination of these progenies indicated the line was breeding true. The progenies were harvested, bulked and now constitute our breeder's stock seed.

Observations indicate XP-B107 is uniform and stable.

EXHIBIT B: Novelty Statement Concerning XP-B107 Garden Bean.

XP-B107 is in the "Tendercrop" class of beans. To our knowledge, the commercial variety most similar to XP-B107 is Eagle. Comparative characteristics that make XP-B107 a distinct variety include, but are not necessarily restricted to the following:

- 1. The pods of XP-B107 are slimmer than those of Eagle at optimum processing maturity. XP-B107 should be harvested at 40 percent five-sieve pods, whereas Eagle is harvested at 55 percent or more five-sieve pods.
- 2. XP-B107 reaches processing maturity at least four days before Eagle as indicated by data from the 1978 and 1979 Trial Data (optimum harvest underlined).

1978 TRAIL DATA

<u>Date</u>	Sieve D 1,2,3	istril 4	oution 5		s/acre)		Distri 4	bution 5	Yield (100 lbs/acre)
8/9 8/11	22 15	52 _ 47	26 38	133 163		-			
8/12 8/14 8/15	48	34	58	169		18 14	34 31	48 55	143 158
8/17						7	14	79	154

1979 TRIAL DATA

		XP-B	107			Eag	le	
<u>Date</u>	Sieve D 1,2,3	istrib 4	ution 5	Yield (100 lbs/acre		Distríb 4	ution 5	Yield (100 lbs/acre)
8/9 8/11 8/14 8/16	27 17 14	40 39 33	33 44 53	131 184 163	33 29 <u>26</u>	40 33 19	27 38 55	68 104 <u>110</u>

8000120

3. The genetic seed quality of XP-B107 is significantly better than that of Eagle. Genetic seed quality is an inherent characteristic of a variety and may be measured by a procedure which correlates well with field germination. On a scale of 0-100, in which a rating of 100 is perfect, the following scores were observed for XP-B107 and Eagle:

Replication	<u>XP-B107</u>	<u>Eagle</u>
1 2 3 4 5 6 7 8	79 82 71 75 73 73 80 <u>74</u>	50 32 49 40 43 44 54
Ave.	76	44

Eagle

- 1. The pods of XP-B107 are slimmer than those of Eagle at optimum processing maturity. XP-B107 should be harvested at 40 percent five-sieve pods, whereas Eagle is harvested at 55 percent or more five-sieve pods. (Table 1)
- Based on percent seed as an index of maturity, XP-B107 reaches processing maturity at least four days before Eagle. (Table 1)

TABLE 1.

Harvest data comparing XP-B107 and Eagle. Data are from a sequence of harvests, and are standardized by percent seed, a recognized measure of maturity in snap beans. Only the optimum harvest is given. This harvest is determined as the last harvest before percent seed begins to limit quality.

Harvest		Harvest	Yield	Percent 5-sieve	Percent seed		
<u>Variety</u>	<u>Year</u>	_date	100 lbs/acre	and over	4 sieve	5 sieve	
XP-B107	1978	8/11	163	38	8	9	
	1979	8/11	184	44	8	9	
Eagle	1978	8/15	158	55	7	9	
. •	1979	8/16	-110:	55	7]]	

3. The genetic seed quality of XP-BlO7 is significantly better than that of Eagle. Genetic seed quality is an inherent characteristic of a variety and may be measured by a procedure which correlates well with field germination. On a scale of 0-l00, in which a rating of 100 is perfect, the following scores were observed for XP-BlO7 and Eagle:

Replication	XP-B107	<u>Eagle</u>
1 2 3 4 5 6	79 82 71 75 73 73 80	50 32 49 40 43 44 54
7 8 Average	74 76	41 44



Asgrow Seed Company

Bean 'Win']

00-120

Transfer of Plant Variety Protection Act Rights

Asgrow Seed Company, a Delaware Corporation with its principle place of business at 2605 E. Kilgore Road, Kalamazoo MI 49001, is the owner of the Plant Variety Protection Act Certificates and applications for certificates listed on and attached as Exhibit A to this document (the "Certificates and Applications").

For good and valuable consideration, reciept of which is hereby acknowledged, Asgrow hereby transfers all of its right, title and interest in and to the Certificates and Applications and to all rights relating thereto under the Plant Variety Protection Act to Seminis Vegetable Seeds, Inc., a California corporation, whose principle place of business is at 1905 Lirio Street, Saticoy, CA 93007-4206.

Dated: January 31, 1997

Asgrow Seed Company

By: Yloman A Brabaile)
Norman A. Braksik

President

BORW Fore DISTRAS FORM APPROVED: OMB NO. 40-R3822 U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE LIVESTOCK, POULTRY, GRAIN & SEED DIVISION BELTSVILLE, MARYLAND 20705 **EXHIBIT C** (Bean) edal gajopolek OBJECTIVE DESCRIPTION OF VARIETY securificacións BEAN (Phaseolus vulgaris L.) NAME OF APPLICANT(S) FOR OFFICIAL USE ONLY PVPO NUMBER Asgrow Seed Company ADDRESS (Street and No. or R.F.D. No., City, State, and Zip Code) 9620-190-1 VARIETY NAME OR TEMPORARY DESIGNATION Kalamazoo, MI 49001 SE4 810324 Place numbers in the boxes (e.g. 9) for the characters that best describe this variety. Measured data should be for SPACED PLANTS. Ranges may also be given. Royal Horticultural Society or any recognized color standard may be used to determine plant colors; The location of test area is Twin Falls Idaho . Please answer questions appropriate for your variety if the information is available. TYPE: 1 = Field (dry-edible) 2 = Garden f in and the perform (Campano Max Air anne se sa sa capano (Campano) MARKET MATURITY: Days to edible pods (1966) A 1968 A 1986 A 1 Days to green shells a philip that the second Days to dry seeds Explaine reservable overests one significant Heat units to edible pods Heat units to green shells gelase god per ka Heat units to dry seeds 1 = Tendercrop No. days earlier than 2 = Kentucky Wonder 3 = Kinghorn Wax 5 = Michelite 62 4 = White Kidney 6 = Dwarf Horticultural 7 = Bush Blue Lake 290 Same as ... 8 = Other (specify below) Online of a figure particle of the second of Eagle No. days later than PLANT: 1 = Determinate 2 = Indeterminate cm height cm shorter than The end to the transfer as divisiwas subject to the forms comparison variety from above Same as . . cm taller than 0 cm spread 0 Number primary branches near base cm narrower than . . . Branching habit: 1 = compact 2 = open comparison variety width same as ... from above rather good (grave esse grave by Main stalk: 1 = brittle 2 = wirey 1 = stout 2 = thin

the state of the s		·			-15-2-22-2
3. PLANT: (Contd)	, sider va u una de meta, en recesta e en recesar	pali atyus si sinindana kan silannak sa silannak sa kana di anti-	kaja kiran sujan ny kesi injagen<u>aga</u>ul keli n jankesekse (j. 1985). I	i saan kaalaga saa ii saabaan ii saa ii saa ii saa ka saa kabaan iy kabaanna ii saa saa saa saa saa saa saa sa	a care subserve employeds
2 Pod position: 1 = low 2 = high	3 = scattered		1 1 2 4 5 6 7 7 8	8000 120	a, de Const
Bush form (illustrated below):			-	M 500	<i>(22)</i>
* Company of the Comp		all			
	多个	10-13	Si Charle		
		DAY!			A
1 - spherical brigh form		3 = wide bush	form	4 = high bush fo	rm
1 = spherical bush form. 2 = stem bush for 5 = other (specify)		3 - Wilde Dosii	101111	, mgn busin to	· · · · · · · · · · · · · · · · · · ·
4. LEAVES: 1249 Hostifus					
2 1 = smooth 2 = wrinkled	yr een surkr	2 o honemaniage	1 = dul	1 2 = glossy	- · · ·
2 Size: 1 = small (Earliwax) 2 = me	edium 3 = la	rge (Tendercrop)	range of the Sangaranapantagantagantagantagantagantagantaga	Complete and the first of the control of the contro	er i san septembris de la company de la comp
[] Mo. d.s.v. v. v. s.s.					•
Color: 1 = light green (as light or ligh 3 = dark green (as dark or dark		ue Lake 290)	.	E. M. C.	north annothers
en Ex OMEDO:		图 * [4] 《中央报》 8]	5 8 * 1	Osenici Paricio in inclues. Osenici fue in un Pys Processorio i	
5. FLOWERS: Color: 1 = white 2 = cream 3 = pi	ak Amiliaa B	1 = Tander crep 3 = Kingher er M	3 ta j	Kentuk parangan Kentuk parangan	
. Service speciments on the contract of the co	nk ⊶4.=inac t		et (specify)		
T Days to 50% bloom					
use over to super trusk		1 present	continue de grosse sussit	3	
8. FRESH PODS: (Edible maturity, average for 20 pods)					
2 Exterior color: 1 = light green (as ligh 2 = medium green	-				
3 = dark green (as darl 4 = light yellow (Brittl 5 = golden yellow (Ch	k or darker than lewax) orokoo Wax)	Rnau Bine Eake Sai	े हेलाहत स्पृष्ट्य		
5 - gorden yerrow (Chi 6 - green-red variagate 7 - other (specify)	erokee wax) ed (Horticultural) System is also become particular for the background of the form	والمستخدمة	sali proprietty (1919), also proprietty operation for the	an ellere perkane
green and	Cardon	·			
F SABES % Sieve siz	e distribution at	optimum maturity	for non-flat pods		
Note: 1 = 4.76 mm to 5.76 mm	4 = 8.34 mm	n to 9,53 mm	orithe alger to pradale \$47	CONTRACTOR	man and appropriate a sec
2 = 5.76 mm to 7.34 mm 2 = 5.76 mm to 7.34 mm 2 = 3.76 mm to 7.34 mm sp 2	5 = 9.53 mm	n to 10.72 mm	The followings of Meson	假作品 人名英格兰 医原子	
13 to 10 to		a per a received as a	<u> </u>		en en en Les des de
winter a local by a disease	15	45		* 80 . V.	
#430 description	'		DESIGNATION .	OR TEMPORAFY	
ADDRESS (Start one Apriles All 3 Siekepung 1997 to te cur feb	gth _{espsy}	mm width	PVPO NUMBER	mm thickness	general y Egyptheric Addition of the
Average on absolute (8) 4 sieve 1 4 cm len	gth 0			mm thickness	er trau og Martingsky er i skyladen file energen i gend fylkter om en sy
5 sieve Com Jen	gth\costb	Missing width	,	mm thickness	
6 sieve ruhaadicmilen	CHEST WY TOO STATE OF WAR TO SECTION OF THE VEL WEST OF	TOTAL SCAOR REMAINSTANCE REMAINSTANCE REMAINSTANCE	эи 📗		300 L

EOHW VERHOARD ONE NO RPage 2 of 4

6. FRESH PODS: (Cont'd)	a magana eta erre erre erre erregian erregian erregia erregian erregia erregian erregian erregian erregian err Er	8000120
3 Cross section pod shape: 1 = flat 2 = oval 3 = round	4 = heart	The state of the s
Creaseback: 1 = present 2 = absent		WVA I S 7560
Pubescence: 1 = none 2 = sparse 3 = considerable	An painting	and the more and the second
2 Spur: 1 = straight 2 = slightly curved 3 = curved	43 (134) (5	a mining na tao gapan manana na manana na kao ao a
Constrictions: 1 = none 2 = slight 3 = deep	Construction priors	
Pod flesh: 1 = light 2 = medium 3 = dark	The page	
0 9 mm spur length	i en	
Fiber: 1 = none 2 = sparse 3 = considerable	Specifical receiptors	
Sale RaseCA See To A Number of seeds per pod applications of the seeds	e e to situate e sono contrato de la terración de la contrato de la contrato de la contrato de la contrato del	. The second of the second
Surface: 1 = smooth 2 = rough		
2 Suture string: 1 = present 2 = absent	Quest (2000/1918/09)	the first tests of source forether services companies.
Seed development (Snap Bean): 1 = slow 2 = medium	3 = fast **** ***** ****	Ŧ
Machine harvest: 1 = adapted 2 = not adapted	Bajan verlioes masare virtus	
Pod flavor: (1) Standard (Tendercrop) (2) Mild Blue Lake (BBL 274) (3) Strong Blue Lake (Pole FM1) (4) Mild Romano (Roma) (5) Strony Romano (Pole Romano) (6) Other (specify)	Ell Spectomari	
7. SEED COAT COLOR:	And the second s	e necessor consist testing.
The second secon	(1000) yaq arasga typne =shiny 2 - dull	·
Primary color: 1 = white 2 = yellow 3 = b	puff 4 = tan	
Secondary color:	7 = red - 8 = purple 1 = other (specify)	
Color Pattern: 1 = none 2 = splashed 3 = mottled	4 = striped 5 = flecked 6 = dott	ed ************************************
Secondary color location: 1 = hilar ring 3 = sides 5 = not restricted to any area	2 = ventral surface 4 = dorsal surface 6 = combination of loca	tion (specify below)
Hilar ring on colored seeds: 1 = absent 2,= narrow 3	= butterfly shaped	
8. SEED SHAPE AND SIZE:	som palison varjativ fract page e	Hit www.History
2 Hilum view: 1 = elliptical 2 = oval 3 = round Cr	oss section: 1 = elliptical 2 = ove 4 = round	il 3 = cordate
3 Side view:	3 = reniform	8099770 8

FORM-LPGS-470-12 (2-79)

Page 3 of 4

2 1 = trupcase ends 3 2 = right files (Fig. 1) 2 9 grif 100 seed grif 100 seed lighter thing 8 5. ANTHOCYANINI; (1 = absent 2 = present) Flowers 1 Stent 1 Stent 1 Stent 1 Stent 1 Anthristiciosit factority reachellow) 0 Rust (specify reachellow) 0 Productive incline 1 Anthristiciosit factority reachellow) 0 Productive reachellow 1 Anthristiciosit factority reachellow) 0 Productive reachellow 1 Stent 1 Anthristiciosit factority reachellow) 1 Productive reachellow 1 Stent 2 Productive reachellow 1 Stent 2 Productive reachellow 1 Stent 2 Stent 2 Stent 3 Stent 4 Stent 4 Stent 4 Stent 4 Stent 5 Stent 5 Stent 5 Stent 6 Productive reachellow 1 Stent 2 Stent 2 Stent 3 Stent 4 Stent 4 Stent 4 Stent 4 Stent 4 Stent 4 Stent 5 Stent 5 Stent 6 Stent 6 Stent 6 Stent 7 Stent 7 Stent 7 Stent 8 Stent	8. SEED SHAPE AND SIZE: (Cont'd) a cast to opiosit Sa contre	2 / 300 000 000 000 000 000 000 000 000 0
On/100 seed lightor them, seed same as comparison veriety from page one and part of the seed same as comparison veriety from page one and part of the seed same as comparison veriety from page one and provided the seed same as comparison to the seed of the seed of the seed of the seed same as comparison to the seed of the seed same as comparison to the seed of the seed same as comparison to the seed of the seed same as comparison to the seed of the seed same as comparison to the seed of the seed same as comparison to the seed of the seed same as comparison to the seed of the seed same as comparison to th	AND TO SHARE AND	5-26 52 G3 5 TM 4 5 E B
gm/100 seed header the seeds and see	2 9 gm/100 seed A	
9. ANTHOCYANIN. (1 = absent 2 = present) 1 Flowers	gm/100 seed lighter than	Grafic sociéties : a maigradus : grandia : de condesse 4 à routes
S. ANTHOCYANINI: (1 = absent 2 = present) Flowers	gm/100 seed same as	comparison variety from page one
S. ANTHOCYANINI: (1 = absent 2 = present) Flowers	mm/100 seed heavier than	3 beccertify element
Flowers Semin Pods Semin Sem	g unsergation many a	The state of the s
10. DISEASE RESISTANCE (0 = not tested 1 = susceptible 2 = resistant) 11. Anthrational below) 12. Prystological resistance and resistance a	Secondary Loter focation if a frice stag.	पुण कर्यक्षकी अवस्थितक
Anthrecinist Especify race below) O Rust (specify race below) O Foundation root for the state of the specify strain below) O Foundation root for the state of the specify strain below) O Foundation root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the state of the specify strain below) O Rusting root for the specify strain below) O Rusting root		
Pusarum root rot O Production Product	FOR THE STATE OF T	The state of the s
O Red node virus Powdery mildew O Bean common mosale virus O Powdery mildew O Bean common nosale virus O Powdery mildew O Powdery mildew O Bean common nosale virus O Powdery mildew O Bean common nosale virus O Westins O Westins O Westins O Westins O Westins O Westins O Air pollution O Air pollution O Air pollution O Air pollution	Anthracriose (specify race below) provided a series	
Powdery mildew O Pod mottle virus O	Rust (specify race below)	
Pythium root rot		
Pythium root rot Pythium root rot	Europium root rot	
Rhizoctonia root rot Rhizoctonia root rot Rhizoctonia root rot Reserved	(6) Strate, Received Plane Remain) (6) Other (apedity)	
O Pythium wilt search and search	TO BERTH THE STATE OF THE	1 Black root
Other (specify below) 11. INSECT RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Aphids O Root knot nematode O Lega hopper O Seed corn maggot O Lygus O Thrips O Pod borer O Weavils O Other (specify below) 12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Heat O Heat O Aphids O Root knot nematode O Seed corn maggot O Thrips O Other (specify below) 13. COMMENTS: O Air pollution	age on the contract of the con	Bean yellow mosaic virus
11. INSECT RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) 12. Physiological Resistance: (0 = not tested 1 = susceptible 2 = resistant) 13. COMMENTS: 14. Insect Resistance: (0 = not tested 1 = susceptible 2 = resistant) 15. Comments: (0 = not tested 1 = susceptible 2 = resistant) 16. April 2 2 2 2 2 2 2 2 2	Angular leaf spot	# 1p Curly top 184 810324
11. INSECT RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Aphids O Leaf hopper O Leaf hopper O Lygus O Thrips O Pod borer C Total for Susceptible 3 = susceptible 2 = resistant) O Heat O Heat O Heat O Root knot nematode O Seed corn maggot O Thrips O Weavils O Other (specify below) 12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Heat O Heat O Heat O Seed corn maggot O Air pollution 13. COMMENTS: O Air pollution	Bacterial wilt	Other (specify below)
O Aphids O Aphids O Aphids O Seed corn maggot O Lygus O Thrips O Pod borer O Weavils O Pod borer O Weavils O Other (specify below) 12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Heat O Heat O Heat O COMMENTS: O Air pollution NAY 1 2 1980 3 : 20 pm	Halo blight (specify race below)	·
Dear hopper Dear h	11. INSECT RESISTANCE: 40 = not: tested 11 = susceptible 2 = resistant)	
D Lygus O Pod borer C 1-SESSCHOOL 1 - DAY 3 - SHOOL 3		0 Root knot nematode
O Pod borer Chastic reduce 1 = mare 3 1 and 1 and 2 2 = resistant) 12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Heat Chastic reduce 1 = mare 3 1 and 2 2 = resistant) O Heat Chastic reduce 1 = buseout 5 = species O Other (specify below) NAY 1 2 1980 3 : 30 PM See See Heat 1 = buseout 5 = species Page 4 of 4		0 Seed corn maggot
O Pod borer O Statistics of the control of the con		0 Thrips
12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = resistant) O Heat		0 Weavils
O Heat Comments: O Heat Comments: O Air pollution MAY 1 2 1980 O Separation to a special state of the comment of the comme	Constitutions, 1 = mail 2 7 pilot. 2 = deop.	O Other (specify below)
O Heat Comments: O Heat Comments: O Air pollution MAY 1 2 1980 O Separation to a special state of the comment of the comme	12. PHYSIOLOGICAL RESISTANCE: (0 = not tested 1 = susceptible 2 = n	esistant)
WAY 1 2 1980 State Section of Control Stat		
er essession (cours)	13. COMMENTS: Provedback jubicasor Surepesor	MAY 1 2 1980
Page 4 of 4	The state souther by a season for Season Sea	3:30 pm
1 WINE CLANCE VILLE 18:191		